

**PATENT**

Serial No.: 10/574,424

Docket No.: PP021401.0012

I hereby certify that this correspondence (and all documents referred to herein) is being deposited with the United States Postal Service with sufficient postage as First Class Mail in an envelope addressed to: Mail Stop PCT, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on the date entered below.

September 27, 2007

Date

*Sharleen Lane*

Sharleen Lane

IN THE UNITED STATES DESIGNATED/ELECTED OFFICE (DO/EO/US)

In Re Application of: CONTORNI

Serial No.: 10/574,424

Intl. Appln. No.: PCT/IB2004/003373

I.A. Filing Date: October 4, 2004

Title: LIQUID VACCINES FOR MULTIPLE  
MENINGOCOCCAL SEROGROUPS

Confirmation No.: 7898

Group Art Unit: 1645

**TRANSMITTAL**

Mail Stop PCT  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

In response to the "Notification of Defective Response" mailed August 27, 2007 from the United States Patent and Trademark Office, the following documents are enclosed herewith:

1. **COPY** of the "Notification of Defective Response" mailed August 27, 2007.
2. **TRANSMITTAL OF SUBSTITUTE SEQUENCE LISTING INCLUDING:**
  - a. **Substitute** Paper Copy of the Sequence Listing (14 pages).
  - b. **Substitute** Compact Disc containing CRF Copy of Sequence Listing (1 CD);  
File name: 21401.0012 Seq list ST25.TXT
  - c. Statements in compliance with Sequence Listing rules.
3. **RETURN RECEIPT POSTCARD.**

**PATENT**

Serial No.: 10/574,424

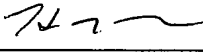
Docket No.: PP021401.0012

The Commissioner is hereby authorized to charge any deficiency in fees or credit any overpayment associated with this communication and which may be due in this matter to Deposit Account No. 03-1664.

Respectfully submitted,

NOVARTIS VACCINES AND DIAGNOSTICS, INC.

Date: September 27, 2007

By: 

Helen Lee

Registration No. 39,270

Customer No. 27476

NOVARTIS VACCINES AND DIAGNOSTICS, INC.

Intellectual Property – R338

P.O. Box 8097

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## UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE  
United States Patent and Trademark Office  
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Alexandria, Virginia 22313-1450  
www.uspto.gov

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|---|---|-----------------------------------|
| U.S. APPLICATION NUMBER NO.<br>10/574,424 | FIRST NAMED APPLICANT<br>Mario Contorni | ATTY. DOCKET NO.<br>PP021401.0012 |
|---|---|-----------------------------------|

27476  
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|   |                             |
|---|-----------------------------|
| INTERNATIONAL APPLICATION NO.<br>PCT/IB04/03373 |                             |
| I.A. FILING DATE<br>10/04/2004                  | PRIORITY DATE<br>10/02/2003 |

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|------------------|-----|------|----|-----|----|
| EMERYVILLE - CIP |     |      |    |     |    |
| AUG 3 12007      |     |      |    |     |    |
| F/F              | M/D | Inv. | RF | ASG | PA |

CONFIRMATION NO. 7898  
371 FORMALITIES LETTER



\*OC000000025550493\*

Date Mailed: 08/27/2007

## NOTIFICATION OF DEFECTIVE RESPONSE

The following items have been submitted by the applicant or the IB to the United States Patent and Trademark Office as a Designated / Elected Office (37 CFR 1.495)

- Priority Document
- Copy of the International Application filed on 04/04/2006
- Copy of the International Search Report filed on 04/04/2006
- Biochemical Sequence Diskette filed on 04/19/2007
- Oath or Declaration filed on 04/19/2007
- Biochemical Sequence Listing filed on 04/19/2007
- U.S. Basic National Fees filed on 04/04/2006
- Priority Documents filed on 04/04/2006

DOCKETED on/by 8/31/07 HL  
Atty. HL PA  
File # PP 21401.0012  
Due Date \_\_\_\_\_ Ext \_\_\_\_\_  
Final Date 51830-US-PCT

Applicant's response filed 04/19/2007 is hereby acknowledged. The following requirements set forth in the NOTIFICATION of MISSING REQUIREMENTS mailed 02/20/2007 have not been completed.

- A copy of the "Sequence Listing" in computer readable form has been submitted. However, the content of the computer readable form does not comply with the requirements of 37 CFR 1.822 and/or 1.823, as indicated on the attached copy of the marked -up "Raw Sequence Listing." Applicant must provide a substitute computer readable form (CRF) copy of the "Sequence Listing" and a statement that the content of the sequence listing information recorded in computer readable form is identical to the written (on paper or compact disc) sequence listing and, where applicable, includes no new matter, as required by 37 CFR 1.821(e), 1.821(f), 1.821(g), 1.825(b), or 1.825(d).

Applicant is required to complete the response within a time limit of ONE MONTH from the date of this Notification or within the time remaining in the response set forth in the Notification of Missing Requirements, whichever is the longer. No extension of this time limit may be granted under 37 CFR 1.136, but the period for response set in the Notification of Missing Requirements may be extended under 37 CFR 1.136(a).

Applicant is cautioned that correction of the above items may cause the specification and drawings page count to exceed 100 pages. If the specification and drawings exceed 100 pages, applicant will need to submit the required application size fee.

For questions regarding compliance to 37 CFR 1.821-1.825 requirements, please contact:

- For Rules Interpretation, call (571) 272-0951
- For Patentin Software Program Help, call Patent EBC at 1-866-217-9197 or directly at 703-305-3028 / 703-308-6845 between the hours of 6 a.m. and 12 midnight, Monday through Friday, EST.
- Send e-mail correspondence for Patentin Software Program Help @ [ebc@uspto.gov](mailto:ebc@uspto.gov)

Applicant is reminded that any communications to the United States Patent and Trademark Office must be mailed to the address given in the heading and include the U.S. application no. shown above (37 CFR 1.5)

Registered users of EFS-Web may alternatively submit their reply to this notice via EFS-Web.  
<https://sportal.uspto.gov/authenticate/AuthenticateUserLocalEPF.html>

For more information about EFS-Web please call the USPTO Electronic Business Center at 1-866-217-9197 or visit our website at <http://www.uspto.gov/ebc>.

**If you are not using EFS-Web to submit your reply, you must include a copy of this notice.**

VIRGINIA L IRBY

Telephone: (703) 308-9140 EXT 229

PART 1 - ATTORNEY/APPLICANT COPY

| U.S. APPLICATION NUMBER NO. | INTERNATIONAL APPLICATION NO. | ATTY. DOCKET NO. |
|-----------------------------|-------------------------------|------------------|
| 10/574,424                  | PCT/IB04/03373                | PP021401.0012    |

FORM PCT/DO/EO/916 (371 Formalities Notice)